ROOM AIR BALANCE SCHEDULE CHILLED WATER COOLING COIL SCHEDLE SUPPLY **EXHAUST ROOM AIR FLOW** INDIVIDUAL TOTAL SENSIBLE AREA AND/OR | SYSTEM AIR | **AIR DEVICE** MARK | LOCATION | ROOM SERVED | HANDLING | AIRFLOW | VELOCITY | APD | DB | WB | DB | WB | CAPACITY | CAPACITY | FLOW | EWT | LWT | WPD (FT HD) **HANDLING** AIR DEVICE AIR DEVICE **REMARKS** CONTROL AIRFLOW AIRFLOW BALANCE INFILTRATION EXFILTRATION **ROOM NAME** MARK AIRFLOW MARK MARK ROOM NO. CV 69-CHWC-1 69-DAHU-1 POOL ENCLOSURE 69-DAHU-1 7000 CFM 403 FPM 0.37 in-wg 87.2 °F 74.9 °F 70.0 °F 62.9 °F 278000.0 Btu/h 181000.0 Btu/h 181000.0 Btu/h 56 GPM 45 °F 55 °F 15 CHILLED WATER COIL IS COMBINED WITH HOT WATER COIL SD-20 0 CFM 0 CFM CONFERENCE ROOM 140 CFM SD-21 0 CFM 160 CFM EG-14 20 CFM 0 CFM 55 CFM SD-19 0 CFM 55 CFM EG-10 SD-18 45 CFM EG-11 0 CFM 0 CFM ADMIN. OFFICE 45 CFM 0 CFM HOT WATER HEATING COIL SCHEDULE 55 CFM SD-17 0 CFM 55 CFM EG-12 0 CFM 0 CFM REGISTRATION 120 CFM **SD-15** 0 CFM 120 CFM AREA AND/OR | SYSTEM AIR MAX FACE 0 CFM 1-106 665 CFM 665 CFM 0 CFM MAIN WAITING MARK LOCATION ROOM SERVED HANDLING AIRFLOW VELOCITY APD EAT LAT CAPACITY FLOW EWT LWT WPD (FT HD) **REMARKS** 1-106A MEN'S TOILET 310 CFM WOMEN'S TOILE EG-7 1-107 **VESTIBULE** 40 CFM 0 CFM 0 CFM 40 CFM 1-109 OFFICE 30 CFM 0 CFM 30 CFM EG-8 0 CFM 0 CFM 0 CFM 32 CFM **CORRIDOR** 227 CFM 195 CFM 0 CFM 30 CFM 0 CFM 0 CFM 0 CFM OFFICE 0 CFM EG-4 HYDRONIC PUMP SCHEDULE 105 CFM SD-10 105 CFM **ELECTRICAL MOTOR** CIRCULATING FLUID 105 CFM 105 CFM 0 CFM AND/OR **NOMINAL** AREA AND/OR 100 CFM 100 CFM TYPE | FLUID | FLOW | HEAD | AVAILABLE | TEMPERATURE | MIN % EFF | POWER (HP) | PHASE | VOLT | R.P.M. | CONTROL MARK LOCATION BLDG SERVED SERVICE REMARKS 100 CFM SD-8 100 CFM 30 CFM 30 CFM 1-119 ACTIVITY ROOM 240 CFM 0 CFM 240 CFM MECHANICAL CHILLED WATER YES WITH END SUCTION 100 CFM 100 CFM EX ELEC. RM CWP-4 MECHANICAL BLDG 69 CHILLED WATER FLOOR CHILLED 55.9 GPM 48.5 ftH2O 0.0 ftH2O 45 °F 53.7 WITH END SUCTION. 100 % REDUNDANCY PUMP 1-122A STAFF TLT. 0 CFM 80 CFM 80 CFM MOUNTED WATER 0 CFM 80 CFM 80 CFM HOT WATER | FLOOR | HOT WATER | 63.2 GPM | 33.9 ftH2O BLDG 69 0.0 ftH2O 180 °F 57.9 MECHANICAL WITH END SUCTION 0 CFM RECEIVING/ STORAGE MOUNTED 1-125 STORAGE 50 CFM 0 CFM 50 CFM FLOOR HOT WATER 63.2 GPM 33.9 ftH2O HOT WATER WITH END SUCTION. 100% REDUNDANCY PUMP. MECHANICAL BLDG 69 0.0 ftH2O 180 °F 57.9 50 CFM 0 CFM 0 CFM 50 CFM MOUNTED PROSTHETICS/ ORTHOTICS 1-127 SD-32 280 CFM 280 CFM VERTICAL HOT WATER 17.8 GPM 30.0 ftH2O POOL BLDG 69 0.0 ftH2O 180 °F 31.6 208 1-128 PROSTHETICS/ ORTHOTICS 120 CFM SD-34 120 CFM MECHANICAL 45 CFM 0 CFM WORK EVALUATION 45 CFM POOL HOT WATER CIRCULAT | HOT WATER | 16.4 GPM | 8.3 ftH2O | 0.0 ftH2O 180 °F NA 115 3520 CORRIDOR 65 CFM SD-41 0 CFM MECHANICAL 180 CFM SD-30 POOL ENCLOSURE | RADIANT FLOOR | CIRCULAT | HOT WATER | 1.5 GPM | 3.2 ftH2O | STORAGE (PT CLINIC) 150 CFM 120 °F NA 115 3520 170 CFM 170 CFM 175 CFM 175 CFM 150 CFM CORRIDOR 0 CFM 0 CFM 150 CFM 1-136 0 CFM SUB WAITING 0 CFM HYDRONIC HEAT EXCHANGER EG-9, EG-15 0 CFM PHYSICAL THERAPY CLINIC 200 CFM 0 CFM 620 CFM 420 CFM PRIVATE TREATMENT ROOM 95 CFM SD-24 105 CFM 0 CFM WATER CONDITIONS STEAM PRESSURE AREA AND/OR 375 CFM SD-22 375 CFM 0 CFM ENT CONTROL ENT HEAT BLDG SYSTEM AND/OR SHARED ACTIVITY/ EQUIPMENT 55 CFM 0 CFM 195 CFM SD-38 250 CFM SERVED SERVICE VALVE | EXCHANGER | VALVE | TRAP # | CAPACITY REMARKS TYPE | FLOW | EWT | LWT | WPD KINESIOTHERAPY THERAPY 415 CFM 415 CFM SD-39, SD-40 CLINIC MECHANICAL | POOL ENCLOSURE | HOT WATER SHELL AND | 63.2 GPM | 150 °F | 180 °F | 0.06 ftH2O 20.00 psi 5.0 psi 924200 BTU/H STEAM TO WATER HEAT EXCHANGER OFFICE 70 CFM 70 CFM 0 CFM 0 CFM POOL WATER SHELL AND | 44.4 GPM | 180 °F | 150 °F | 0.06 ftH2O 649000 BTU/H WATER TO WATER HEAT EXCHANGER 0.00 psi 0.0 psi 1-304 PRIV. TREATMENT RM 70 CFM 70 CFM 0 CFM MECHANICAL RECEPTION 70 CFM 0 CFM 70 CFM SD-56 POOL POOL ENCLOSURE | RADIANT FLOOR | SHELL AND | 1.0 GPM | 180 °F | 150 °F | 0.01 ftH2O 14800 BTU/H WATER TO WATER HEAT EXCHANGER 300 CFM SD-55 340 CFM 40 CFM 0 CFM WAITING PT. TLT. 0 CFM 0 CFM 0 CFM 80 CFM 80 CFM 0 CFM SUPPORT OFFIC 85 CFM 225 CFM 225 CFM TREATMENT SD-50 TREATMENT 690 CFM 1-407A SOUND BOOT **EXPANSION TANK SCHEDULE** TREATMENT SD-53, SD-54 690 CFM RG-36, RG-37 0 CFM 0 CFM 1-408A SOUND BOOTH 0 CFM 0 CFM SYSTEM 0 CFM 0 CFM TREATMENT 690 CFM **TEMPERATURE FILL PRESSURE** 0 CFM 1-409A SOUND BOOTH 0 CFM AT TANK 1-411 TREATMENT YES 0 CFM 0 CFM 690 CFM 690 CFM RG-40, RG-41 1-411A 0 CFM 0 CFM PRESSURE IN OPERATING SOUND BOOTH AND/OR RELIEF AT MIN VOLUME MIN BLADDER PIPE SIZE COLD WATER 0 CFM 0 CFM 500 CFM 500 CFM MARK LOCATION SERVICE TEMP **PRESSURE** TANK SHARED OFFICE **VOLUME** TEMP **TANK** VALVE TANK VOLUME TO TANK FILL SIZE REMARKS RG-19 15 CFM 0 CFM **TECH WAITING** 120 CFM 135 CFM TECHNICIAN'S WORKROOM RG-20 YES 0 CFM 0 CFM 1-416 340 CFM SD-58, SD-59 340 CFM 250.00 gal 150 °F 180 °F MECHANICAL HOT WATER BLADDER 30.0 psi 53.00 gal RECEIVING/ HOLDING/ 0 CFM 20 CFM 1-416A 150 CFM SD-60 130 CFM MECHANICAL CHILLED WATER BLADDER 250.00 gal 45 °F 550 °F K.T.C. WEIGHT CONDITIONING SD-69, SD-70, 0 CFM 760 CFM RG-25, RG-26, 760 CFM SD-71, SD-82, SD-83. SD-84. SD-85, SD-86, SD-87 TREATMENT 0 CFM HYDRONIC UNIT HEATER SCHEDULE 0 CFM 0 CFM OFFICE 160 CFM 160 CFM **TEMPERATURES** AREA AND/OR MIN. 1-600 CORRIDOR 300 CFM SD-74, SD-75 190 CFM RG-29, RG-30 0 CFM 0 CFM 110 CFM ROOM SERVED | CAPACITY | EAT DB **REMARKS SEQUENCE** 85 CFM 0 CFM 1-601 WOMEN'S SHOWER/ LOCKER 200 CFM SD-72 85 CFM RG-28 285 CFM WOMEN'S SHOWER/ LOCKER 0 CFM 0 CFM 0 CFM 0 CFM 100 CFM 145 CFM 45 CFM 0 CFM 1-604 SD-76 0 CFM 0 CFM 45 CFM 45 CFM 1-604A 0 CFM 0 CFM 0 CFM 0 CFM 1-604B 0 CFM 0 CFM 75 CFM 75 CFM **LOUVER SCHEDULE** 0 CFM MEN'S SHOWER/LOCKER 600 CFM 105 CFM 705 CFM 105 CFM 1-701 M.H.O.T. CLINIC 430 CFM 95 CFM 0 CFM AREA AND/OR ROOM 1-701A EX.ELECTRICAL ROOM 0 CFM 0 CFM 0 CFM 100 CFM 100 CFM MARK LOCATION **SERVED** SIZE **AIRFLOW** APD MOUNTING APPLICATION **TYPE** REMARKS 1-701B 50 CFM 0 CFM 0 CFM 0 CFM 50 CFM STORAGE KILN/ SLURRY ROOM 180 CFM 0 CFM 0 CFM 0 CFM 180 CFM POOL ENCLOSURE WEATHER LOUVER WITH INSECT SCREEN OFFICE 45 CFM SD-68 0 CFM 0 CFM 45 CFM WEATHER LOUVER WITH INSECT SCREEN • • POOL ENCLOSURE **EXHAUST** 1-703A CLEAN HOLD 0 CFM SD-91 0 CFM 0 CFM 0 CFM 0 CFM POOL ENCLOSURE 3500 CFM RETURN 2" FRAME, THINSTYLE ALUMINUM CONSTRUCTION 0.04 in-wg WALL 1-703B SOILED 0 CFM 0 CFM 0 CFM 0 CFM 0 CFM BEDROOM 0 CFM 65 CFM 0 CFM 0 CFM 65 CFM 1-802A BATHROOM 0 CFM 1-802B CLST 0 CFM 0 CFM 1-803 ADL KITCHEN & LAUNDRY 300 CFM 0 CFM 420 CFM 120 CFM 0 CFM 150 CFM 150 CFM 0 CFM 0 CFM ADL KITCHEN & LAUNDRY 0 CFM EG-19 0 CFM 0 CFM OFFICE SD-31 0 CFM 20 CFM CORRODOR 120 CFM 0 CFM 100 CFM EG-29 **FAN SCHEDULE** ARRANGEMENT. ROTATION, AND | MIN % **AREA AND/OR** WHEEL CLASS DISCHARGE EFF DRIVE RPM MARK LOCATION ROOM SERVED CONTROL SEQUENCE REMARKS GENERAL EXHAUST 310 CFM UPBLAST CENTRIFUGAL NEW NEW VARIABLE 420 CFM UPBLAST CENTRIFUGAL NEW BATHROOM GENERAL EXHAUST 160 CFM CABINET EXHAUST **VARIABLE** GENERAL EXHAUST 160 CFM CABINET EXHAUST 0.13 in-wg AIR HANDLING UNIT SCHEDULE AREA AND/OR SUPPLY FAN RETURN OR EXHAUST | PREFILTER | AFTERFILTER | FINAL FILTER | HEAT RECOVERY | PREHEAT COIL | COOLING COIL HUMIDIFIER MIN OA RETURN MARK LOCATION ROOM SERVED MARK RELIEF FAN MARK FAN MARK MARK MARK MARK MARK MARK MARK COIL MARK REMARKS 69-DAHU-1 POOL MECH. POOL ENCLOSURE 69-CHWC-1 69-HC-1 **FULLY SPRINKLERED** ISSUED FOR BID Scale Project Title VA Project Number Project Number Drawing Title PROJECT MANAGER: CONSULTANTS: 3627 542-CSI-203 MECHANICAL SCHEDULES RENOVATE BUILDING 69 Office of Structural Engineer Civil Engineer Fire Protection Consultant MEP/FP Engineer Cost Estimator Aquatic Consultant Project Manager Associate Architects **Building Number** Bray **Facilities** APOGEE WZG, STRUCTURAL W. COOK ARRAY HEALTHCARE **GUIDON DESIGN** HARRINGTON **BRAY MOONEY** ATLANTIC **BRAY MOONEY** 

**FACILITIES** 

SUITE 110

SOLUTIONS

Tel (610) 270-0599

2520 RENAISSANCE BLVD.,

KING OF PRUSSIA, PA, 19406

CONSULTING

410 E. 21 STREET CHESTER, PA, 19013

Tel (610) 872-3716

Date

Revisions

A FORM 08-6231, OCT 1978

CONSULTING

ZIEGLERVILLE, PA, 19492

**ENGINEERS** 

P.O. BOX 24 40 LITTLE ROAD

Tel (610) 287-3194

CONSULTING

RALEIGH, NC, 27606

Tel (919) 858-7420

7330 CHAPEL HILL ROAD,

GROUP

SUITE 202

**GROUP** 

7508 E. INDEPENDENCE

CHARLOTTE, NC, 28277

BLVD., SUITE 116

Tel (704) 531-9077

2453 N DELAWARE STREET

INDIANAPOLIS, IN 46205

Tel (317) 800-6388

**AQUATIC** 

**ENGINEERING** 

1823 DEEP RUN ROAD

Tel (215) 766-0409

PIPERSVILLE, PA, 18947

CONSULTING

410 E. 21 STREET

Tel (610) 872-3716

CHESTER, PA, 19013

**ARCHITECTS** 

Tel (610) 383-4460

1251 ROMANSVILLE ROAD COATESVILLE, PA, 19320 Mooney

Consulting

Approved: Project Director

Management

Department of

Veterans Affairs

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1400 Black Horse Hill, Coatesville, PA

DJR

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